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POROUS CARRIER FOR PROPAGATION OF MICROORGANISM

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Abstract of JP1307496

PURPOSE: To increase porosity and to improve the propagation power of planktons by mixing 25-35wt.% bone ashes and the balance various kinds of ceramics material powders and calcining the mixture composed thereof to form a porous carrier for propagation of microorganisms. CONSTITUTION: The bone ashes having the high porosity are formed by calcining bones contg. calcium carbonate and a small ratio of salts such as calcium fluoride, magnesium chloride and citric acid in addition to calcium phosphate which is the essential component of the bones and allowing gases to be released. The solid formed by mixing 25-35wt.% such bone ashes and the balance various ceramics material and calcining the mixture is used as the carrier 1. This carrier 1 is immersed into a medium 3 in a container 2 to propagate the microorganisms or planktons. Many small pores are formed in the carrier 1 so that the environment optimum for propagation of the microorganisms and planktons is formed.

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